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What is claimed is:

1. An imaging system comprising:

a rotating unit that includes an imaging camera, wherein the rotating unit is rotatable between a home position and a finish position about a rotation axis such that the imaging camera can capture a first scan, wherein the rotating unit includes a screen that rotates opposite of the imaging camera,

an alignment camera configured to capture a first alignment image of a subject positioned generally co-axially with the rotation axis, and

at least a first monitor on which the first alignment image is displayed, wherein in the home position the screen is positioned between the imaging camera and the first monitor, wherein a first opening is defined in the screen, and wherein the first opening is aligned with the first monitor when the rotating unit is in the home position.

2. An imaging system comprising:

a rotating unit that includes an imaging camera, wherein the rotating unit is rotatable between a home position and a finish position about a rotation axis such that the imaging camera can capture a first scan,

an alignment camera configured to capture a first alignment image of a subject positioned generally co-axially with the rotation axis, and

at least a first monitor on which the first alignment image is displayed, wherein the first monitor includes alignment markings thereon that include at least one of a head alignment circle, centering lines or a shoulder alignment line.

3. The imaging system of claim 2 further comprising a motor control system that rotates the rotating unit after the first alignment image is displayed on the first monitor.

4. The imaging system of claim 2 wherein the screen is curved.

5. An imaging system comprising:

a rotating unit that includes an imaging camera, wherein the rotating unit is rotatable between a home position and a finish position about a rotation axis such that the imaging camera can capture a first scan of a subject positioned generally co-axially with the rotation axis, wherein the rotating unit includes a first horizontal boom having a first end, a second end, and a middle section, wherein a first arm depends downwardly from the first end of the first horizontal boom, wherein the imaging camera is positioned on the first vertical arm, and wherein a screen depends downwardly from the second end of the first horizontal boom,

an alignment system positioned such that it is located along the same axis as the rotation axis for positioning the subject generally co-axially with the rotation axis, wherein the alignment system includes at least one of an alignment camera, a plumb line, a centering light, a projector and an alignment surface, and wherein the centering light or projector is connected to the horizontal boom and projects light downwardly toward the subject along the same axis as the rotation axis.

6. The imaging system of claim 5 wherein the alignment camera is configured to capture a first alignment image of the subject, and wherein the imaging system comprises a first monitor on which the first alignment image is displayed,

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wherein the projector projects an image downwardly, whereby in use the image is projected on top of a patient's head.

7. The imaging system of claim 5 further comprising a motor control system that rotates the rotating unit after the subject has been positioned generally co-axially with the rotation axis using the alignment system.

8. The imaging system of claim 5 wherein the alignment surface defines a U-shaped indentation that is adapted to receive a patient's head.

9. An imaging system comprising:

a rotating unit that includes an imaging camera, wherein the rotating unit is rotatable between a home position and a finish position about a rotation axis such that the imaging camera can capture a first scan of a subject positioned generally co-axially with the rotation axis, wherein the rotating unit includes a first horizontal boom having a first end, a second end, and a middle section, wherein a first arm depends downwardly from the first end of the first horizontal boom, wherein the imaging camera is positioned on the first vertical arm, and wherein a screen depends downwardly from the second end of the first horizontal boom,

an alignment system for positioning the subject generally co-axially with the rotation axis, wherein the alignment system includes at least one of an alignment camera, a plumb line, a centering light, a projector and an alignment surface, and wherein the plumb line is connected to the horizontal boom and extends downwardly along the same axis as the rotation axis.

10. An imaging system comprising:

a rotating unit that includes an imaging camera, wherein the rotating unit is rotatable between a home position and a finish position about a rotation axis such that the imaging camera can capture a first scan of a subject positioned generally co-axially with the rotation axis, wherein the rotating unit includes a first horizontal boom having first and second opposite ends, wherein a first arm depends downwardly from the first end of the first horizontal boom, wherein an imaging camera is positioned on the first vertical arm, wherein a screen depends downwardly from the second end of the first horizontal boom and rotates opposite the imaging camera, and

a lighting system that rotates with the rotating unit, wherein the lighting system includes a first light source that is positioned on the first arm and directs light inwardly toward the subject, and a second light source that directs light toward the screen.

11. The imaging system of claim 10 wherein the second light source is positioned on the first horizontal boom and adjacent the second end thereof.

12. The imaging system of claim 11 wherein the screen is curved.

13. The imaging system of claim 10 wherein the lighting system includes a third light source positioned on the first horizontal boom that directs light downwardly toward the subject.

14. The imaging system of claim 10 wherein the lighting system is adjustable in intensity.

15. The imaging system of claim 10 further comprising a motor control system that rotates the rotating unit between the home position and the finish system.

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